

SYSTEM **P**LANNING & **A**NALYSIS **R**EPORT

S - 60

T. H. 61

T. H. 494 TO COUNTY ROAD 19

S. P. 8205-46, 8205-41

SEPTEMBER, 1971

PREPARED BY
OFFICE OF SYSTEM PLANNING



**MINNESOTA
DEPARTMENT
OF HIGHWAYS**

STATE OF MINNESOTA

Office Memorandum

DEPARTMENT HIGHWAY - Statewide Planning -
Room 807 - Extension 3158

TO : Paul G. Velz
Road Design Engineer

DATE: September 23, 1971

FROM : Morris Gildemeister, Chief
Statewide Planning Section

SUBJECT: T.H. 61, T.H. 494 to County Road 19
S.P. 8205-46, 8205-41
System Planning & Analysis Report S-60

The Statewide Planning Section transmits this report in response to K. K. McRae's December 29, 1970 request for the 1985 ADT, DHV, and HCADT for the project location shown on the map on Page 2.

The estimated 1985 ADT volumes are shown on the map on Page 3.

For each segment numbered on the map on Page 3, the following data are tabulated on pages 4-7:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCADT

Segment 1, with a 1985 ADT of 32000, has the highest ADT on the project section of T.H. 61. This segment has a 1970 ADT of 11000 vehicles.

The basic data, method, and assumptions used to prepare this report are presented on Page 8.

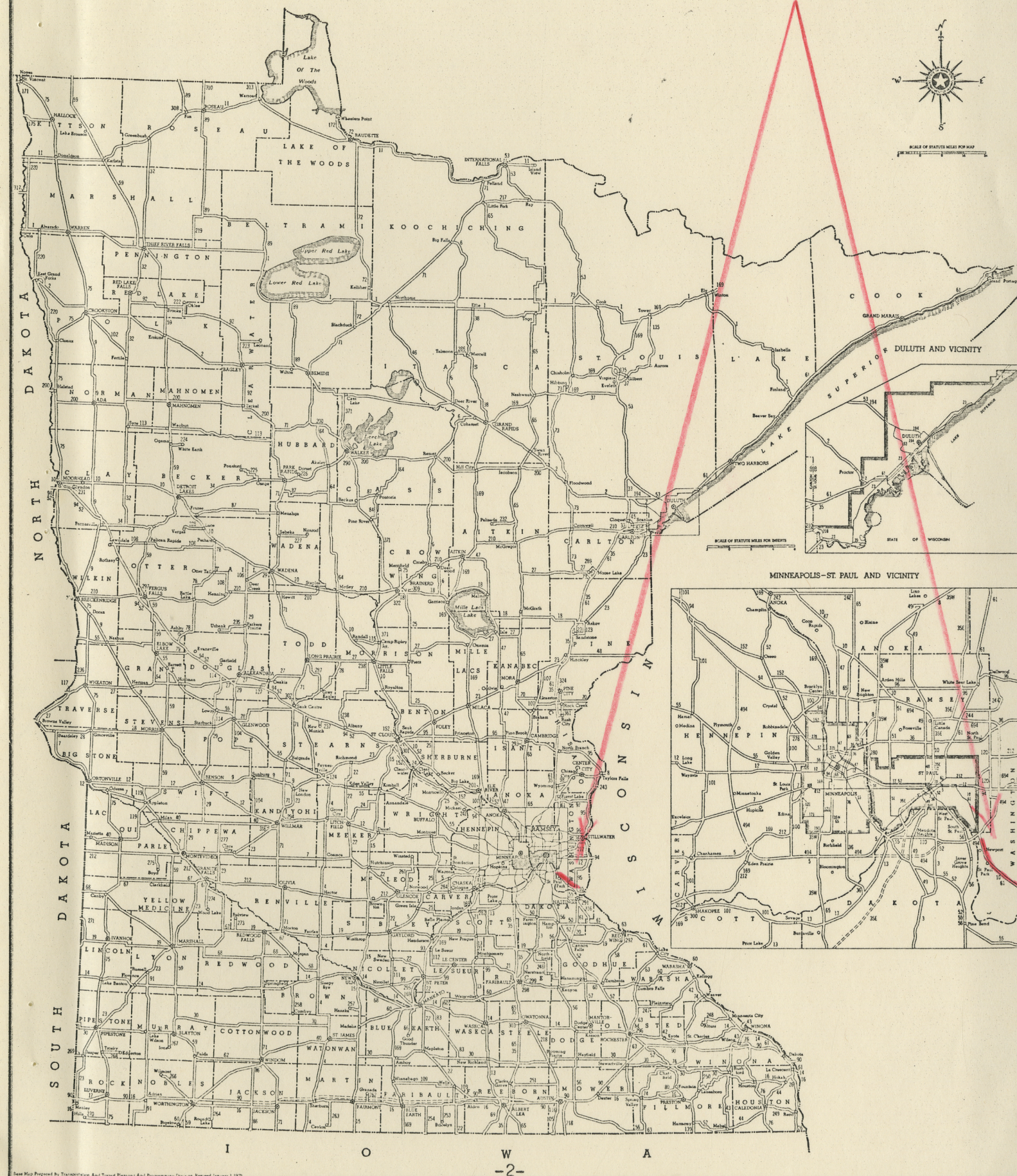
Morris Gildemeister

Morris Gildemeister, Chief
Statewide Planning Section

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STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
S.P. 8205-46, 8205-41



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 4

FOR

T.H. 61 S.P. 8205-41, 8205-46 LENGTH ----- MILESCOUNTY Washington LOCATION T.H. 494 to County Road 19

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	30309	3016	3582	27293	2544	1225	28518	8544	1424	19974	6160
1	727	96	114	631	81	39	670	324	54	346	243
2	170	17	20	153	14	7	160	36	6	124	27
3	77	7	8	70	6	3	73	16	3	57	12
4	169	15	18	154	13	6	160	10	2	150	8
5	420	34	40	386	29	14	400	10	1	390	7
6	128	15	18	113	13	6	119	60	10	59	43
TOTAL ADT	32000	3200	3800	28800	2700	1300	30100	9000	1500	21100	6500
TOTAL H. COMM. ADT	1691	184	218	1507	156	75	1582	456	76	1126	340
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 4

FOR

T.H. 61 S.P. 8205-41, 8205-46 LENGTH ----- MILESCOUNTY Washington LOCATION T.H. 494 to County Road 19

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	837	3627	20811	278	7175	1050	13636	4724	5974	1204	1225
1	46	199	392	16	207	59	185	205	262	67	69
2	5	22	129	2	34	6	95	22	28	7	8
3	3	13	60	1	15	3	45	11	14	4	4
4	2	9	152	1	9	2	143	7	9	3	2
5	1	4	391	-	9	2	382	6	8	2	2
6	6	26	65	2	51	8	14	45	55	13	10
TOTAL ADT	900	3900	22000	300	7500	1130	14500	5020	6350	1300	1320
TOTAL H. COMM. ADT	63	273	1189	22	325	80	864	296	376	96	95
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 3 OF 4

FOR

T.H. 61 S.P. 8205-41, 8205-46 LENGTH ----- MILES
COUNTY Washington LOCATION T.H. 494 to County Road 19

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 33 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	23	24	25	26	27	28	29	30	31	32	33
0	761	14840	2609	1890	12231	3280	662	12893	2870	4279	10023
1	43	252	112	82	140	138	19	159	42	178	117
2	5	102	20	9	82	19	3	85	23	19	62
3	2	49	8	4	41	8	1	42	18	7	24
4	1	146	14	3	132	10	3	135	9	5	126
5	2	384	25	2	359	14	4	363	25	5	338
6	6	27	12	10	15	31	8	23	13	7	10
TOTAL ADT	820	15800	2800	2000	13000	3500	700	13700	3000	4500	10700
TOTAL H. COMM. ADT	59	960	191	110	769	220	38	807	130	221	677
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 4 OF 4

FOR

T.H. 61 S.P. 8205-41, 8205-46 LENGTH ----- MILES
COUNTY Washington LOCATION T.H. 494 to County Road 19

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 34 THROUGH 36 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER									
	34	35	36							
0	4938	2569	12592							
1	197	65	182							
2	24	16	78							
3	11	13	37							
4	7	6	132							
5	10	17	355							
6	13	14	24							
TOTAL ADT	5200	2700	13400							
TOTAL H. COMM. ADT	262	131	808							
TOTAL DHV										
DIRECTIONAL DISTRIBUTION										

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

Basic Data, Method, and Assumptions

The 1985 ADT and DHV are transmitted on January 20, 1971 in SPAR M-44.

The total HCADT is based on System 14 computer heavy truck study. The vehicle type distributions are based on data from appropriate vehicle classification counts. To obtain 1995 ADT the 1985 ADT may be expanded by 25 percent.